Application/Control No.

Index of Claims

10/661,071

Examiner

Kurt Fernstrom

Applicant(s)/Patent under
Reexamination
THOMASSON, DANIEL E.
Art Unit

3714

| √ | Rejected | - | (Through numeral)<br>Cancelled | N | Non-Elected  | A | Appeal   |
|---|----------|---|--------------------------------|---|--------------|---|----------|
| = | Allowed  | + | Restricted                     |   | Interference | o | Objected |
|   |          |   |                                |   |              |   |          |

| Claim Date                                       |          |  | Cla                     | Claim Date |                   |  |          |                | ]              | CI   | aim                    |          | Date      |          |               |         |          |                     |          |        |              |            |          |          |          |          |          |          |          |          |          |
|--|----------|--|-------------------------|------------|-------------------|--|----------|----------------|----------------|--|------------------------|----------|-----------|----------|---------------|---------|----------|---------------------|----------|--------|--------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| _  | ल        | 55   |                         |            |                   |  |          |                |                |  | _                      | च        |           |          |               | ı       |          |                     |          |        |              | <u>a</u>   |          |          |          |          |          |          |          |          |          |
| Final  | Original | 10/27/05   |                         |            |                   |  |          |                |                |  | Final                  | Original |           |          |               |         |          |                     |          |        | Final        | Original   | 1        | -        |          |          |          | 1        |          |          |          |
| Œ  | ē        | 10,  |                         |            |                   |  |          |                |                |  | ᇤ                      | Ö        |           | ĺ        |               |         |          |                     | - 1      |        | ፲፫           | ő          |          |          |          |          |          | I        |          |          |          |
|  |          |  | Н                       |            | <u> </u>          | <u> </u>   | ┡        | ┡              | $\vdash$       | _  |                        |          |           | +        | +             | +       | +        | ╁┷┼                 | +        | -      |              |            | Н        | $\dashv$ | -        | $\dashv$ | $\dashv$ |          |          | -        |          |
|  | 1        | =  | Н                       |            |                   | -  | ├        | ┝              | ╁              |  |                        | 51<br>52 | $\vdash$  | +        | +             | ╀       | +        | ╁┷┼                 | -        | -      | <u> </u>     | 101<br>102 | Н        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | -        |          | $\dashv$ |
| -  | 3        | =  | Н                       |            | <del> </del>      | ├  | ⊢        | ⊢              | +              | -  |                        | 53       |           | $\dashv$ | +             | +       | +        | ╁┷┼                 |          | -      | <u> </u>     | 102        | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$ |
| <u> </u>   | 4        | =  | $\vdash$                | -          |                   | <del>                                     </del> | ┢        | ├              | +              | -  |                        | 54       |           | +        | +             | +       | ╁        | ╁                   | +        | -      | -            | 103        | Н        | $\dashv$ |          | -+       | $\dashv$ | $\dashv$ | -        | $\dashv$ | ᅱ        |
| <del> </del>                                     | 5        | =  | $\vdash$                | _          | $\vdash$          | ╁  | ╁        | ╌              | $\vdash$       | -  |                        | 55       | $\vdash$  | $\dashv$ | ╁             | ╫       | ╁        | ╁                   | +        | -      |              | 105        | $\vdash$ | $\dashv$ |          | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
| <del></del>                                      | 6        | =  | Н                       |            | -                 | <del>                                     </del> | ┢        | ┢              | $\vdash$       | <del>                                     </del> |                        | 56       | $\vdash$  | $\dashv$ | -             | +       | +        | $\vdash$            |          | - :::: | <del></del>  | 106        |          | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ        |
|  | 7        | =  | Н                       |            | $\vdash$          | <del></del>                                      | t        | ┢              | $t^-$          | $\vdash$   |                        | 57       |           | $\dashv$ | +             | +       | +        | $\vdash$            | +        | ┨Ш     |              | 107        | Н        | $\dashv$ | ᅥ        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ        |
|  | 8        | =  | Н                       |            | -                 | <del>                                     </del> | $\vdash$ | ┢              | $\vdash$       |  |                        | 58       |           | 十        | $\top$        | +       | +-       | $\vdash$            | +        | ┨::::  |              | 108        | $\vdash$ | $\dashv$ |          | _        | $\dashv$ | $\dashv$ | 1        | $\dashv$ | 一        |
|  | 9        | Ξ  | Н                       |            |                   |  | t        | t              | T              | $\vdash$   |                        | 59       |           | 十        | $\top$        | +       | $\top$   | $\vdash$            |          | اااا   |              | 109        | $\Box$   | $\dashv$ | ┪        | $\dashv$ | 寸        | $\neg$   | $\neg$   | $\neg$   | 一        |
|  | 10       | =  | Н                       |            | Ι_                | 1  | T        | Ι_             | 1              |  |                        | 60       |           | 十        | _             | $\top$  | 1        | T                   |          | 1      |              | 110        |          | $\neg$   | $\dashv$ | -        | $\neg$   | _        | $\dashv$ | $\neg$   | ᅱ        |
|  | 11       | =  |                         |            |                   | T  |          |                | T              |  |                        | 61       |           | $\neg$   | $\neg$        | $\top$  | 1        |                     | $\top$   | 7      |              | 111        |          | $\neg$   | $\dashv$ | $\neg$ † | $\dashv$ | $\dashv$ | _        | $\neg$   | $\neg$   |
|  | 12       | =  | $\Box$                  | _          | Γ                 | Г  | Π        | Π              |                |  |                        | 62       |           |          | $\neg \vdash$ | $\top$  | 1        | $\Box$              |          | 7      |              | 112        | $\Box$   | $\neg$   |          |          |          |          |          | $\neg$   | ᅦ        |
|  | 13       | =  |                         |            |                   | Ī  |          |                |                |  |                        | 63       |           |          |               |         |          |                     |          | 7      | [            | 113        |          | $\dashv$ | ヿ        | $\neg$   | ヿ        | $\neg$   |          | $\neg$   | $\neg$   |
|  | 14       | =  |                         |            |                   | Ĺ  |          |                |                |  |                        | 64       |           |          |               |         |          |                     |          | ]!!!!  |              | 114        |          |          |          |          |          |          |          |          |          |
|  | 15       | =  |                         |            | $\Box$            |  |          |                |                |  |                        | 65       |           | $\Box$   | $oxed{\Box}$  | I       |          |                     |          |        |              | 115        |          |          |          |          |          |          |          |          |          |
|  | 16       | =  | $\square$               |            |                   |  |          | $\Box$         |                |  |                        | 66       |           | $\Box$   | $\perp$       |         |          | $\Box$              |          | ]      |              | 116        |          | $\Box$   | $\Box$   |          |          |          |          |          |          |
|  | 17       |  | Ш                       |            |                   |  | <u> </u> |                |                |  |                        | 67       |           |          |               |         |          |                     |          | _      |              | 117        |          | $\Box$   |          | $\Box$   | $\Box$   | [        | $\Box$   |          |          |
|  | 18       | $ldsymbol{ld}}}}}}$ | Ш                       | _          | <u> </u>          | <u>_</u>   | <u> </u> | <u> </u>       | $\perp$        | _  |                        | 68       | Ш         | $\perp$  | $\perp$       | $\perp$ | _        | Ш                   |          | _      |              | 118        |          |          |          | _[       |          |          | _[       | $\bot$   |          |
|  | 19       | L  | Ш                       |            | L                 | <u> </u>   | <u> </u> | $oxed{oxed}$   | 1              |  |                        | 69       | $\sqcup$  | $\perp$  | $\perp$       | $\perp$ | 1        | $\sqcup \bot$       | 1        | _      | L            | 119        |          | _        |          | _        | _        |          | _        | ᆜ        |          |
|  | 20       |  | Щ                       |            | $\vdash$          | $\vdash$   | $\vdash$ | $\vdash$       | $\vdash$       | _  |                        | 70       | $\sqcup$  | _        | $\bot$        | _       | ╀-       | $\sqcup \downarrow$ | _ _      | 4      |              | 120        | $\Box$   | _        | _        | _        | _        | _        | _        | _        | _        |
| ļ  | 21       |  | Ш                       |            | _                 | <u> </u>   | _        | <u> </u>       | ↓              | _  |                        | 71       | $\sqcup$  | 4        | $\perp$       | +       | ╀        | 1-1-                | 4        | 4      | ļ            | 121        |          | $\dashv$ | _        | _ļ       | _        | _        | _        | ᆜ        | _        |
| <u> </u>   | 22       | $\vdash$   | Ш                       |            |                   | <del> </del>                                     | ├        | ├              |                | <u> </u>   |                        | 72       | $\vdash$  | $\dashv$ | - -           | +       | ╀-       | $\vdash$            | - -      | -      | <u> </u>     | 122        | -        | 4        | 4        | _        | 4        |          | _        | 4        | _        |
|  | 23       | $\vdash$   | $\vdash \vdash$         |            | <u> </u>          | <u> </u>   | ├-       | -              | ــــ           |  |                        | 73       | $\vdash$  | -        | +             | +       | +        |                     | +        | 4      | <u> </u>     | 123        | $\Box$   | $\dashv$ | -        |          | -4       | <b></b>  |          | 4        | -        |
|  | 24       | $\vdash$   | Н                       |            | -                 | <del> </del>                                     | ┡        | $\vdash$       | ₩              | <u> </u>   | $\vdash$               | 74       | $\vdash$  | $\dashv$ | +             | +       | +        | ├                   | +        | -      |              | 124        | $\vdash$ | +        | 4        | -        |          | $\dashv$ | -        | $\dashv$ | _        |
|  | 25       | <u> </u>   | $\vdash \vdash$         |            | $\vdash$          | ├  | ├-       | $\vdash$       | $\vdash$       | _  | $\vdash$               | 75<br>76 | $\vdash$  | $\dashv$ | +             | +-      | +-       |                     | +        | -      | <del> </del> | 125        | $\dashv$ | $\dashv$ | -        | -        |          | -        | -        |          |          |
| -  | 26<br>27 | ├-   | $\vdash \vdash$         | _          |                   |  | ╁        | ╁              | 1              | $\vdash$   | $\vdash \vdash \vdash$ | 76<br>77 | $\vdash$  | $\dashv$ | +             | +-      | ╁        | $\vdash$            | +        | -      | <del> </del> | 126        | $\vdash$ | +        | -        | -        |          | $\dashv$ |          | $\dashv$ | $\dashv$ |
|  | 28       | $\vdash$   | $\vdash \vdash$         |            | ┢                 | $\vdash$   | $\vdash$ | $\vdash$       | $\vdash$       | $\vdash$   | $\vdash$               | 78       | $\vdash$  | +        | +             | +       | +        | $\vdash$            | +        | 1      | $\vdash$     | 127<br>128 | $\dashv$ | -        | -        | $\dashv$ | $\dashv$ | -        | -        | $\dashv$ | ᅱ        |
| <del>                                     </del> | 29       | _  | $\vdash \vdash$         | _          | _                 | -  | ╁        | $\vdash$       | ╁              | $\vdash$   |                        | 79       | $\forall$ | +        | +             | +       | +        | +                   | +        | -      | $\vdash$     | 129        | $\dashv$ | $\dashv$ | -        |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
| <del></del>                                      | 30       | <del> </del>   | $\vdash$                | _          | <del> </del>      | <del>                                     </del> | ╁        | $\vdash$       | ╁              | $\vdash$   | $\vdash$               | 80       | $\vdash$  | $\dashv$ | +             | +       | +        | $\vdash$            | +        | -      | $\vdash$     | 130        | $\dashv$ | +        | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
|  | 31       | $\vdash$   | H                       | _          | -                 | <del>                                     </del> | t        | $\vdash$       | $\vdash$       |  | $\vdash$               | 81       | $\dashv$  | $\dashv$ | +             | +       | +        | $\vdash$            | $\dashv$ | ۱      | $\vdash$     | 131        | $\dashv$ | -        | $\dashv$ | 十        | $\dashv$ | -        | -+       | $\dashv$ | $\dashv$ |
|  | 32       | <del>                                     </del>   | $\vdash$                |            | $\vdash$          | <del>                                     </del> | t        | T              | T              | П  | $\vdash$               | 82       | $\vdash$  | $\dashv$ | +             | +-      | +        | $\vdash$            | $\dashv$ | 1      | <del> </del> | 132        | $\dashv$ | _        | $\dashv$ | $\dashv$ | $\dashv$ | 7        | $\dashv$ | $\dashv$ | $\dashv$ |
|  | 33       | 1  |                         |            | Т                 |  | T        | T              | t              |  |                        | 83       | $\vdash$  | 十        | $\top$        | $\top$  | T        | 1 1                 | 十        | 1      |              | 133        |          | $\dashv$ | $\dashv$ | 1        | 1        | $\dashv$ | 1        | $\dashv$ | $\dashv$ |
|  | 34       | <u> </u>   | $\Box$                  |            |                   |  |          | 1              | T              | Г  |                        | 84       |           | _        | +             | 1       | 1        | T                   | $\top$   | 1      |              | 134        | $\neg$   | $\dashv$ | $\dashv$ | 一        | 一        | $\dashv$ | 寸        | 一        | $\dashv$ |
|  | 35       |  | $\Box$                  |            |                   | Г  | Г        | $\vdash$       | 1              | Г  |                        | 85       | $\Box$    | $\dashv$ | $\top$        | T       | 1        | $\sqcap$            | $\top$   | ۱!!!   |              | 135        |          | $\neg$   | $\dashv$ | $\neg$   | 寸        | $\dashv$ | 7        | 一        | ᆿ        |
|  | 36       |  |                         |            |                   |  |          |                | T              |  |                        | 86       | $\Box$    | $\neg$   | $\top$        |         |          | П                   | T        | 7      |              | 136        | $\Box$   |          | ╗        | 一        | _        |          | 7        | $\neg$   | $\neg$   |
|  | 37       |  |                         |            |                   |  |          |                |                |  |                        | 87       |           |          |               | $\perp$ |          |                     |          |        |              | 137        |          |          | $\neg$   |          | $\neg$   |          | $\neg$   | $\neg$   | $\neg$   |
|  | 38       |  |                         |            |                   |  |          |                | Γ              |  |                        | 88       |           |          |               |         |          |                     | ┸        |        |              | 138        |          |          |          |          |          |          |          |          |          |
|  | 39       | 匚  |                         |            |                   |  |          | 匚              |                |  |                        | 89       |           | $\Box$   |               | $\perp$ | 匚        |                     |          | ]      |              | 139        |          | $\Box$   | floor    | $\Box$   |          | $\Box$   |          | $\Box$   |          |
|  | 40       | L  | Ш                       |            | $oxed{oxed}$      |  |          |                |                |  |                        | 90       |           |          |               | $\perp$ |          | Ш                   |          | ⅃᠁     |              | 140        |          |          | $\Box$   |          |          |          | $\Box$   | $\Box$   |          |
|  | 41       | L  | Ш                       |            | <u> </u>          |  | <u></u>  | <u> </u>       | $\perp$        |  |                        | 91       |           | $\perp$  | $\perp$       | $\perp$ | $\perp$  |                     |          |        | <u> </u>     | 141        |          | $\perp$  |          | $\perp$  |          | _[       |          | $\Box$   |          |
|  | 42       | <u> </u>   | Ш                       |            | $ldsymbol{f eta}$ | <u> </u>   | <u> </u> | <u> </u>       | ـــــ          | Щ  |                        | 92       |           | $\perp$  | $\perp$       | 1       | $\bot$   |                     |          | 4      | <u> </u>     | 142        |          | $\perp$  |          | _[       | _        | _        | $\perp$  | $\Box$   |          |
|  | 43       | oxdot  | Щ                       | _          | <u> </u>          | _  | L_       | <u> </u>       | 1              | $\perp$  |                        | 93       |           | _        | $\perp$       | 丄       | $\perp$  | $\sqcup \bot$       |          | J      |              | 143        |          | $\perp$  | _        | _        |          | $\Box$   |          | ᆚ        |          |
|  | 44       | $\vdash$   | $\sqcup$                |            | <u> </u>          | _  | _        | <u> </u>       |                | <u> </u>   |                        | 94       | $\dashv$  | 4        | 4             | _       | ┺        | $\sqcup$            | 4-       | 4      |              | 144        |          | _        |          |          |          | _        | _        | _        |          |
|  | 45       | <u> </u>   | $\sqcup$                | _          | <u> </u>          | <u> </u>   | <u> </u> | <u> </u>       | 1              | $\sqcup$   |                        | 95       | $\dashv$  | $\perp$  | $\perp$       | $\bot$  | $\perp$  | $\perp$             |          | 4      | <u> </u>     | 145        | _        | $\dashv$ | 4        | _        | _        | _        |          | _        | _        |
|  | 46       | <u> </u>   | $\mid \rightarrow \mid$ |            | <u> </u>          | <u> </u>   | <u> </u> | <u> </u>       | ऻ_             | $\vdash$   |                        | 96       | $\dashv$  | 4        | +             | 4       | ╀-       | $\sqcup$            | $\perp$  | 4      | <u> </u>     | 146        |          | _        | 4        | $\dashv$ | _        | _        | _        | _        | ᅵ        |
|  | 47       | <u> </u>   | $\vdash \downarrow$     | _          | <u> </u>          | <u> </u>   | <u> </u> | -              |                | _  |                        | 97       | $\dashv$  | $\perp$  | - -           | 4       | ╀-       | $\vdash \vdash$     | +        | 4      | <u> </u>     | 147        | _        | $\dashv$ | 4        | _        |          | _        | 4        | _ļ       | $\dashv$ |
|  | 48       | <b> </b>   | $\vdash \vdash$         | _          | ├-                | $\vdash$   | ⊢-       |                | ┼              | $\vdash$   |                        | 98       | -+        | +        | +             | -       | +        | ╁┼                  |          | -      | <u> </u>     | 148        | _        | +        | 4        | -+       | _        |          | $\dashv$ | -        | ᅴ        |
|  | 49<br>50 | $\vdash$   | $\vdash \vdash$         |            | <u> </u>          | <del> </del>                                     | ├        | <del>  -</del> | <del> </del> — | -  |                        | 99       | $\dashv$  | $\dashv$ | -             | +       | $\vdash$ | $\vdash$            | +        | -      | ļ            | 149        | -        |          | -        |          |          | $\dashv$ | -+       | -+       |          |
|  | _5U_     | <u> </u>   |                         |            | L                 | <u>L</u>   | Ц        | L              |                | L  |                        | 100      | $\perp$   |          |               | _L_     | 1        |                     |          | ]::::: | L            | 150        | 1        |          |          |          |          |          |          |          | - 1      |